

Table 1 p17

MAb	ID	Location	WEAU	Sequence	Neutralizing	Immunogen	Species(Isotype)
1	32/5.8.42	p17(12-19 + 100-105 IIIB)	p17	ELDRWEKI + ALDKIE	N	Viral lysate	murine(IgG)
				References: [Papsidero89]			
				NOTES:			
				• 32/5.8.42: Inhibited infectivity of cell free virus – bound to both peptides, ELDRWEKI and ALDKIE [Papsidero89]			
2	L14.17	p17(11-25 BRU)	p17(11-25)	GELDRWEKIRLRPGG	N	Inact BRU	murine(IgG)
				References: [Tatsumi90, RobertHebmann92a, RobertHebmann92b]			
3	32/1.24.89	p17(17-22 IIIB)	p17(17-22)	EKIRLR	N	Viral lysate	murine(IgG)
				References: [Papsidero89]			
				NOTES:			
				• 32/1.24.89: Inhibited infectivity of cell free virus [Papsidero89]			
4	3E11	p17(19-38 SIVmac)	p17(19-38)	IRLPGGKKYMLKHV-VWAA	N	Inact AGMTYO-7	murine(IgG ₁)
				References: [Otteken et al.(1992), Nilsen et al.(1996)]			
				NOTES:			
				• 3E11: There is another MAb with this ID that recognizes integrase [Nilsen et al.(1996)]			
				• 3E11: recognized an epitope present on HIV-2/SIVmac (MAC251/32H), SIVagm, HIV-1, and SIVmnd, demonstrating that the matrix protein of all nine HIV and SIV isolates tested in this study expresses at least one highly conserved immunogenic epitope [Otteken et al.(1992)]			
5	3B10	p17(19-38 SIVmac)	p17(19-38)	IRLPGGKKYMLKHV-VWAA	N	Inact AGMTYO-7	murine(IgG ₁)
				References: [Otteken et al.(1992)]			
				NOTES:			
				• 3B10: recognized an epitope present on HIV-2/SIVmac (MAC251/32H) , SIVagm, HIV-1, and SIVmnd, demonstrating that the matrix protein of all nine HIV and SIV isolates tested in this study expresses at least one conserved immunogenic epitope recognized serologically [Otteken et al.(1992)]			
6	-B4f8	p17(51-65)	p17(51-65)	LETSEGCRQILGQLQ	N	IIIB lysate	rat(IgG _{2a})
				References: [Shang91]			
				NOTES:			
				• -B4f8: Did not bind live infected cells, only cells that had been made permeable with acetone [Shang91]			
7	12H-D3b3	p17(62-78)	p17(62-78)	GQLQPSLQTGSEELR-SL	N	IIIB lysate	rat(IgG _{2a})
				References: [Shang91]			
				NOTES:			
				• 12H-D3b3: Did not bind live infected cells, only cells that had been made permeable with acetone [Shang91]			

HIV Monoclonal Antibodies

MAb ID	Location	WEAU	Sequence		Neutralizing Immunogen	Species(Isotype)
8 12G-A8g2	p17(86-115)	p17(86-115)	YCVHQRIEKDTKEA-LDKIEEEQNKSKKKA	N	IIIB lysate	rat(IgG _{2a})
References: [Shang91]						
NOTES:						
• 12G-A8g2: Bound to 30-mer, but not to internal peptides – did not bind live infected cells – antigenic domain known as HPG30 [Shang91]						
9 12G-D7h11	p17(86-115)	p17(86-115)	YCVHQRIEKDTKEA-LDKIEEEQNKSKKKA	N	IIIB lysate	rat(IgG _{2a})
References: [Shang91]						
NOTES:						
• 12G-D7h11: 12G-D7h11: Bound to 30-mer, but not to internal peptides – did not bind live infected cells – antigenic domain known as HPG30 [Shang91]						
10 12I-D12g2	p17(86-115)	p17(86-115)	YCVHQRIEKDTKEA-LDKIEEEQNKSKKKA	N	IIIB lysate	rat(IgG _{2a})
References: [Shang91]						
NOTES:						
• 12I-D12g2: Bound to 30-mer, but not to internal peptides – did not bind live infected cells – antigenic domain known as HPG30 [Shang91]						
11 12G-H1c7	p17(86-115)	p17(86-115)	YCVHQRIEKDTKEA-LDKIEEEQNKSKKKA	N	IIIB lysate	rat(IgG)
References: [Shang91]						
NOTES:						
• 12G-H1c7: Bound to 30-mer, but not to internal peptides – did not bind live infected cells – antigenic domain known as HPG30 [Shang91]						
12 polyclonal	p17(86-115)	p17(86-115)	YSVHQRIDVKDTKEA-LEKIEEEQNKSKKKA	L	peptide, oral, cholera toxin adjuvant	murine(IgA)
References: [Bukawa et al.(1995)]						
NOTES:						
• polyclonal: Polyclonal secretory IgA antibody raised by mucosal immunization is able to neutralize IIIB, SF2, and MN – HIV-1 neutralization may be due to the V3, CD4 or HPG30 component of the multicomponent peptide immunogen [Bukawa et al.(1995)]						
13 32/5.8.42	p17(12-19 + 100-105 IIIB)	p17	ELDRWEKI + ALDKIE	N	Viral lysate	murine(IgG)
References: [Papsidero89]						
NOTES:						
• 32/5.8.42: Inhibited infectivity of cell free virus – bound ELDRWEKI and ALDKIE [Papsidero89]						
14 11H9	p17(101-115 SF2)	p17(101-115) ?		Inact CBL-1		murine(IgG ₁)
Donor: R. B. Ferns and R. S. Tedder						
References: [Ferns87, Ferns et al.(1989)]						
NOTES:						
• 11H9: Reactive against p18 and p55 [Ferns87]						
• 11H9: UK Medical Research Council AIDS reagent: ARP344						

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MAb ID	Location	WEAU	Sequence	Neutralizing	Immunogen	Species(Isotype)
15 C5126	p17(113-122 HXB2)	p17(113-122)	KKAQQAADT	N	Inact HIV lysate	murine(IgG ₁)
References: [Hinkula90]						
NOTES:						
• C5126: Defined by peptide blocking of binding to native protein – WB reactive with p53 and p17 [Hinkula90]						
16 3-H-7	p17(113-122 BH10)	p17(113-122)	KKAQQAADT	N	IIIB	murine(IgG)
References: [Niedrig89, RobertHebmann92a, RobertHebmann92b]						
NOTES:						
• 3-H-7: No cross-reactivity with HIV-2 ROD or SIV MAC by immunoblot [Niedrig89]						
17 31-11	p17(121-132 BRU)	p17(121-132)	DTGHSSQVSQNY	N	BRU	murine(IgG)
References: [RobertHebmann92a, RobertHebmann92b]						
18 15-21	p17(121-132 BRU)	p17(121-132)	DTGHSSQVSQNY	N	BRU	murine(IgG)
References: [RobertHebmann92a, RobertHebmann92b]						
19 4H2B1	p17(121-134 SF2)	p17(119-132)	AAGTGNSSQVSQNY ?		Inact CBL-1	murine(IgG ₁)
Donor: R. B. Ferns and R. S. Tedder						
References: [Ferns87, Ferns et al.(1989)]						
NOTES:						
• 4H2B1: Reactive against p18 and p55 of multiple isolates [Ferns87]						
• 4H2B1: UK Medical Research Council AIDS reagent: ARP315						
20 1D9	p17(121-134 SF2)	p17(119-132)	AAGTGNSSQVSQNY ?		Inact CBL-1	murine(IgG _{2a})
Donor: R. B. Ferns and R. S. Tedder						
References: [Ferns87, Ferns et al.(1989)]						
NOTES:						
• 1D9: Reactive against p18, but not p55 [Ferns87]						
• 1D9: UK Medical Research Council AIDS reagent: ARP316						
21 4C9	p18(121-134 SF2)	p17(119-132)	AAGTGNSSQVSQNY ?		Inact CBL-1	murine(IgG _{2a})
Donor: R. B. Ferns and R. S. Tedder						
References: [Ferns87, Ferns et al.(1989)]						
NOTES:						
• 4C9: Reactive against p18, but not p55 [Ferns87]						
• 4C9: UK Medical Research Council AIDS reagent: ARP342						
22 9G5	p17(121-134 SF2)	p17(119-132)	AAGTGNSSQVSQNY ?		Inact CBL-1	murine(IgM)
Donor: R. B. Ferns and R. S. Tedder						
References: [Ferns87, Ferns et al.(1989)]						
NOTES:						
• 9G5: Reactive against p18, but not p55 [Ferns87]						
• 9G5: UK Medical Research Council AIDS reagent: ARP343						

HIV Monoclonal Antibodies

MAb ID	Location	WEAU	Sequence	Neutralizing	Immunogen	Species(Isotype)
23	CH9B2 p17	p17	?		Inact CBL-1	murine(IgG ₁)

Donor: R. B. Ferns and R. S. Tedder

References: [Ferns87, Ferns et al.(1989)]

NOTES:

- CH9B2: Reactive against p18 and p55 [Ferns87]
- CH9B2: UK Medical Research Council AIDS reagent: ARP349